GOVERNMENT OF INDIA
AGRICULTURE
LOK SABHA

UNSTARRED QUESTION NO:4778
ANSWERED ON:23.04.2013
RESEARCH WORK ON ORGANIC FERTIGATION
Ponnam Shri Prabhakar

Will the Minister of AGRICULTURE be pleased to state:

(a) whether the Government is undertaking active research work in organic fertigation; and

(b) if so, the details thereof and the results yielded so far?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FOOD PROCESSING INDUSTRIES (SHRI TARIQ ANWAR)

(a) & (b): Preliminary research on organic fertigation with liquid bio-fertilizer in cotton, blackgram and maize has been carried out under All India Coordinated Research Project on Water Management at Tamil Nadu Agricultural University, Madurai. Similarly, Vellanikkara centre of Kerala Agricultural University has fabricated fertigation unit and preliminary trials with cowdung slurry extract have been successful. Study conducted on organic fertigation in tomato by University of Agricultural Sciences, Bangalore indicated that fertigation through jeevamruta resulted in highest fruit yield followed by human urine and cattle urine compared to NPK alone. At IIT Kharagpur, organic fertigation using vermicompost and vermiwash produced comparable growth and leaf yield of Aloe vera with superior quality as compared to chemical fertilizers. Central Plantation Crop Research Institute at Vittal, Karnataka confirmed the advantage of organic fertigation using vermicompost extract in arecanut and cocoa land use systems.